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INFORMATION DISCLOSURE STATEMENT

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ATTY DOCKET NO. SERIAL NO. 61215A 10/706,545

APPLICANT

Robert J. Gulotty Jr. et al.

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FILING DATE

November 12, 2003 Unknown

U.S. PATENT DOCUMENTS CLASS SUB-FILING DATE EXAMINER DOCUMENT DATE NAME CLASS IF APPROPRIATE NUMBER INITIAL 23 219 Miller 2,204,733 June 18, 1940 Arganbright 260 655 Sept. 15, 1964 3,149,171 Harpring et al. 260 659 Jan. 6, 1970 3,488,398 683.3 260 3,629,354 Dec. 21, 1971 Beard et al. Yerres et al. 252 441 Jan. 11, 1972 3,634,330 Beard et al. 260 683.3 Feb. 22, 1972 3,644,561 April 18, 1972 Blake et al. 260 659 A 3,657,367 683.3 Beard et al. 260 3,658,933 April 25, 1972 683.3 3,658,934 April 25, 1972 Beard et al. 260 Beard et al. 252 441 Nov. 7, 1972 3,702,311 677 XA 260 3,769,362 Oct. 30, 1973 Beard et a.I Ward 260 654D Dec. 16, 1975 3,927,131 658 Obrecht et al. 260 3,968,178 July 6, 1976 July 6, 1976 Tsao 423 488 3,968,200 252 462 Croce et al. 4,025,461 May 24, 1997 Aug. 16, 1977 Tsao 260 659 4,042,640 Croce et al. 260 654A Sept. 6, 1977 4,046,821 260 662 R 4,046,823 Sept. 6, 1977 Gordon et al 260 656 R Jul. 11, 1978 Magistro 4,100,211 Lauder et al. 252 442 Aug. 29, 1978 4,110,251 4,230,668 Oct. 28, 1980 Sheely et al. 422 140 Li 570 224 4,300,005 Nov. 10, 1981 Boozalis et al. 570 220 4,319,062 March 9, 1982 Ω ð DATE CONSIDERED

*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.

Unknown

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ATTY DOCKET NO.	SERIAL NO.
61215A	10/706,545
APPLICANT	
Robert J. Gulotty Jr. et al.	
FILING DATE	GROUP

		U	S. PATENT DOCUMENTS			·
EXAMINER INITIAL/	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	4,323,482	April 6, 1982	Stiles et al.	252	462	
70	4,329,525	May 11, 1982	Riegel et al.	570	191	
	4,375,569	Mar. 1, 1983	Kroenke et al.	570	224	-
	4,402,942	Sept. 6, 1983	Melin	424	177	
	4,405,500	Sept. 20, 1983	Muller et al.	252	433	
	4,460,669	Jul. 17, 1984	Convers et al.	502	84	
	4,462,970	Jul. 31, 1984	Pastor et al.	423	263	
	4,523,040	Jun. 11, 1985	Olah	568	671	
1	4,528,174	Jul. 9, 1985	Schmidhammer et al.	423	488	
	4,529,410	Jul. 16, 1985	Khaladji et al.	51	309	
	4,590,216	May 20, 1986	Dombek	518	700	
	4,727,201	Feb. 23, 1988	Cobb	570	202	
	4,737,594	April 12, 1988	Olah	570	222	
	4,754,088	Jun. 28, 1988	Schmidhammer et al.	570	247	
	4,766,103	Aug. 23, 1988	Cobb	502	217	
	4,769,504	Sept. 6, 1988	Noceti et al.	585	415	
	4,783,564	Nov. 8, 1988	Piotrowski et al.	570	254	
	4,849,562	Jul. 18, 1989	Buhs et al.	570	241	
	4,859,432	Aug. 22, 1989	David et al.	423	21.1	
	4,899,000	Feb. 6, 1990	Stauffer	570	222	
	4,942,697	Jul. 24, 1990	Khaladji et al.	51	283 R	
70	4,965,057	Oct. 23, 1990	David et al.	423	263	
9//	5,008,225	April 16, 1991	Magistro	502	73	
EXAMINER /	h 0. 6		DATE CONSIDERED	4/8,	1021	

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Robert J. Gulotty Jr. et al		

FILING DATE GROUP

November 12, 2003 Unknown

NUMBER 5,013,534				CLASS	IF APPROPRIATE
5,013,534		Discount of	423	263	TF AFFINGE TOATS
1	May 7, 1991	Dissaux et al.	423	203	
5,023,070	Jun. 11, 1991	Le Loarer	423	592	
5,061,670	Oct. 29, 1991	Forquy et al.	585	500	
5,072,063	Dec. 10, 1991	Langensee	570	236	
5,087,791	Feb. 11, 1992	Magistro	585	657	
5,097,083	Mar. 17, 1992	Stauffer	570	241	
5,099,085	Mar. 24, 1992	Strasser et al.	570	245	
5,113,027	May 12, 1992	Mainz et al.	570	224	
5,114,702	May 19, 1992	Pederson et al.	423	639	
5,137,862	Aug. 11, 1992	Mackrodt et al.	502	303	
5,178,664	Jan. 12, 1993	Picard	75	300	
5,179,215	Jan. 12, 1993	Ramachandran et al.	549	262	
5,210,358	May 11, 1993	Magistro	585	500	
5,227,549	Jul. 13, 1993	Correia et al.	570	243	
5,232,889	Aug. 3, 1993	Blanchard et al.	502	263	
5,262,547	Nov. 16, 1993	Ramachandran et al.	549	262	
5,352,646	Oct. 4, 1994	Blanchard et al.	502	263	
5,397,758	Mar. 14, 1995	Bouruetaubertot et al.	502		
5,453,557	Sept. 26, 1996	Harley et al.	585		
5,466,837	Nov. 14, 1995	Ramachandran et al.	549		
5,492,878	Feb. 20, 1996	Fujii et al.	502	304	
5,496,528	Mar. 5, 1996	David et al.	423		
5,510,546	April 13, 1996	Ito	570	<u> </u>	
	5,072,063 5,087,791 5,097,083 5,099,085 5,113,027 5,114,702 5,137,862 5,178,664 5,179,215 5,210,358 5,227,549 5,232,889 5,262,547 5,352,646 5,397,758 5,453,557 5,466,837 5,492,878 5,496,528	5,072,063 Dec. 10, 1991 5,087,791 Feb. 11, 1992 5,097,083 Mar. 17, 1992 5,099,085 Mar. 24, 1992 5,113,027 May 12, 1992 5,114,702 May 19, 1992 5,137,862 Aug. 11, 1992 5,178,664 Jan. 12, 1993 5,210,358 May 11, 1993 5,227,549 Jul. 13, 1993 5,232,889 Aug. 3, 1993 5,262,547 Nov. 16, 1993 5,352,646 Oct. 4, 1994 5,397,758 Mar. 14, 1995 5,466,837 Nov. 14, 1995 5,492,878 Feb. 20, 1996 5,496,528 Mar. 5, 1996	5,072,063 Dec. 10, 1991 Langensee 5,087,791 Feb. 11, 1992 Magistro 5,097,083 Mar. 17, 1992 Stauffer 5,099,085 Mar. 24, 1992 Strasser et al. 5,113,027 May 12, 1992 Mainz et al. 5,114,702 May 19, 1992 Pederson et al. 5,137,862 Aug. 11, 1992 Mackrodt et al. 5,178,664 Jan. 12, 1993 Picard 5,179,215 Jan. 12, 1993 Ramachandran et al. 5,210,358 May 11, 1993 Magistro 5,227,549 Jul. 13, 1993 Correia et al. 5,232,889 Aug. 3, 1993 Blanchard et al. 5,262,547 Nov. 16, 1993 Ramachandran et al. 5,352,646 Oct. 4, 1994 Blanchard et al. 5,397,758 Mar. 14, 1995 Bouruetaubertot et al. 5,466,837 Nov. 14, 1995 Ramachandran et al. 5,492,878 Feb. 20, 1996 Fujii et al. 5,496,528 Mar. 5, 1996 David et al. 5,510,546 April 13, 1996 David et al. <td>5,072,063 Dec. 10, 1991 Langensee 570 5,087,791 Feb. 11, 1992 Magistro 585 5,097,083 Mar. 17, 1992 Stauffer 570 5,099,085 Mar. 24, 1992 Strasser et al. 570 5,113,027 May 12, 1992 Mainz et al. 570 5,114,702 May 19, 1992 Pederson et al. 423 5,137,862 Aug. 11, 1992 Mackrodt et al. 502 5,178,664 Jan. 12, 1993 Picard 75 5,179,215 Jan. 12, 1993 Ramachandran et al. 549 5,210,358 May 11, 1993 Magistro 585 5,227,549 Jul. 13, 1993 Correia et al. 570 5,232,889 Aug. 3, 1993 Blanchard et al. 549 5,262,547 Nov. 16, 1993 Ramachandran et al. 549 5,397,758 Mar. 14, 1995 Bouruetaubertot et al. 502 5,456,837 Nov. 14, 1995 Ramachandran et al. 549 5,496,528 Mar. 5, 1996 Puli et al. <</td> <td>5,072,063 Dec. 10, 1991 Langensee 570 236 5,087,791 Feb. 11, 1992 Magistro 585 657 5,097,083 Mar. 17, 1992 Stauffer 570 241 5,099,085 Mar. 24, 1992 Strasser et al. 570 245 5,113,027 May 12, 1992 Mainz et al. 570 224 5,114,702 May 19, 1992 Pederson et al. 423 639 5,137,862 Aug. 11, 1992 Mackrodt et al. 502 303 5,178,664 Jan. 12, 1993 Picard 75 300 5,179,215 Jan. 12, 1993 Ramachandran et al. 549 262 5,210,358 May 11, 1993 Magistro 585 500 5,227,549 Jul. 13, 1993 Correia et al. 570 243 5,232,889 Aug. 3, 1993 Blanchard et al. 502 263 5,352,846 Oct. 4, 1994 Blanchard et al. 549 262 5,453,557 Sept. 26, 1998 Harley et al. <</td>	5,072,063 Dec. 10, 1991 Langensee 570 5,087,791 Feb. 11, 1992 Magistro 585 5,097,083 Mar. 17, 1992 Stauffer 570 5,099,085 Mar. 24, 1992 Strasser et al. 570 5,113,027 May 12, 1992 Mainz et al. 570 5,114,702 May 19, 1992 Pederson et al. 423 5,137,862 Aug. 11, 1992 Mackrodt et al. 502 5,178,664 Jan. 12, 1993 Picard 75 5,179,215 Jan. 12, 1993 Ramachandran et al. 549 5,210,358 May 11, 1993 Magistro 585 5,227,549 Jul. 13, 1993 Correia et al. 570 5,232,889 Aug. 3, 1993 Blanchard et al. 549 5,262,547 Nov. 16, 1993 Ramachandran et al. 549 5,397,758 Mar. 14, 1995 Bouruetaubertot et al. 502 5,456,837 Nov. 14, 1995 Ramachandran et al. 549 5,496,528 Mar. 5, 1996 Puli et al. <	5,072,063 Dec. 10, 1991 Langensee 570 236 5,087,791 Feb. 11, 1992 Magistro 585 657 5,097,083 Mar. 17, 1992 Stauffer 570 241 5,099,085 Mar. 24, 1992 Strasser et al. 570 245 5,113,027 May 12, 1992 Mainz et al. 570 224 5,114,702 May 19, 1992 Pederson et al. 423 639 5,137,862 Aug. 11, 1992 Mackrodt et al. 502 303 5,178,664 Jan. 12, 1993 Picard 75 300 5,179,215 Jan. 12, 1993 Ramachandran et al. 549 262 5,210,358 May 11, 1993 Magistro 585 500 5,227,549 Jul. 13, 1993 Correia et al. 570 243 5,232,889 Aug. 3, 1993 Blanchard et al. 502 263 5,352,846 Oct. 4, 1994 Blanchard et al. 549 262 5,453,557 Sept. 26, 1998 Harley et al. <

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61215A

SERIAL NO.

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APPLICANT

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FILING DATE GROUP

November 12, 2003 Unknown

		U	.S. PATENT DOCUMENTS			
EXAMINER INITIAL')	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
9//	5,580,536	Dec. 3, 1996	Yao et al.	423	263	
	5,599,588	Feb. 4, 1997	Poncelet	427	343	
7	5,600,042	Feb. 4, 1997	Chen et al.	570	230	
/	5,607,890	Mar. 4, 1997	Chen et al.	205	202	
1-1-	5,646,304	Jul. 8, 1997	Acharya et al.	549	259	
	5,663,112	Sept. 2, 1997	Ahn et al.	502	304	
 	5,663,465	Sept. 2, 1997	Clegg et al	570	224	
	5,663,472	Sept. 2, 1997	Benson et al.	585	641	
	5,705,728	Jan. 6, 1998	Viswanathan et al.	585	641	
1	5,728,905	Mar. 17, 1998	Clegg et al	570	224	
	5,762,894	Jun. 9, 1998	Takatori et al.	423	263	
	5,763,710	June 9, 1998	Clegg et al	570	224	
	5,773,383	June 30, 1998	Suciu	502	355	
	5,874,380	Feb. 23, 1999	Chen et al.	502	217	
	5,877,371	Mar. 2, 1999	Chen et al.	585	467	
	5,880,058	Mar. 9, 1998	Moriya et al.	502	302	
	5,883,037	Mar. 16, 1999	Chopin et al.	502	308	
	5,898,014	April 27, 1999	Wu et al.	502	302	
	5,905,177	May 18, 1999	Seo et al.	570	243	
	5,919,727	Jul. 6, 1999	Brezny	502	304	
	5,922,639	Jul. 13, 1999	Alario et al.	502	230	
	5,925,590	Jul. 20, 1999	White et al.	502	302	
9/1	5,935,897	Aug. 10, 1999	Trubenbach et al.	502	527.14	
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SERIAL NO. ATTY DOCKET NO. 10/706,545 61215A INFORMATION DISCLOSURE **APPLICANT STATEMENT** Robert J. Gulotty Jr. et al. GROUP (Use Several Sheets if necessary) **FILING DATE** November 12, 2003 Unknown U.S. PATENT DOCUMENTS CLASS SUB-FILING DATE NAME DOCUMENT DATE EXAMINER **CLASS** IF APPROPRIATE NUMBER Trubenbach et al. 502 527.14 Aug. 10, 1999 5,935,898 502 304 Aug. 31, 1999 Yokoi et al. 5,945,370 570 175 Aug. 31, 1999 Nappa et al 5,945,573 232 Schoebrechts et al. 5,955,638 Sept. 21, 1999 700 Oct. 19, 1999 Stabel et al. 568 5,969,195 502 225 Oct. 26, 1999 Petit et al. 5,972,827 304 Yoshida et al. 502 Oct. 26, 1999 5.972.830 Bonneau et al. 502 304 Nov. 30, 1999 5,994,260 285 549 Tamhankar et al. 6,002,019 Dec. 14, 1999 502 302 Chopin et al. Jul. 18, 2000 6,090,743 354 Birchem et al. 6,136,048 Oct. 24, 2000 Dec. 26, 2000 Rao 502 224 6,165,931 570 243 Benje Feb. 20, 2001 6,191,329 224 502 Mangnus et al. 6,194,345 Feb. 27, 2001 Aubert et al. 502 304 May 8, 2001 6,228,799 223 570 Schweizer et al. 6,452,058 Sept. 17, 2002 **FOREIGN PATENT DOCUMENTS** PCT May 31, 2001 01/38272 PCT 01/38273 May 31, 2001 PCT May 31, 2001 01/38274 01/38275 May 31, 2001 PCT PCT 01/42176 June 14, 2001 **PCT** Nov. 28, 2002 02/094749 DATE CONSIDERED **EXAMINER** Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance *EXAMINER:

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(056			November 12, 2003	Un	known	
		FORE	IGN PATENT DOCUMENTS			,
Sell	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	02/094750 A1	Nov. 28, 2002	PCT	K		
	02/094751 A3	Nov. 28, 2002	PCT			
	02/094752	Nov. 28, 2002	PCT			
	1 039 369	Aug. 17, 1966	Great Britain			
	1 040 962	Sept. 1, 1966	Great Britain			
	1 062 171	March 15, 1967	Great Britain	1		
	1 141 369	Jan. 29, 1969	Great Britain	C07C	19/02	
	1 213 202	Nov. 25, 1970	Great Britain	C07C	21/06	
	1 343 724	Jan. 16, 1874	Great Britain	-		
	1 373 296	Nov. 6, 1974	Great Britain	C07C	17/10	
	1 475 358	June 1, 1977	Great Britain	C07C	17/15	
	1 492 945	Nov. 23, 1977	Great Britain			
	2 095 242	Sept. 29, 1982	Great Britain			
	2 101 596	Jan. 19, 1993	Great Britain			
	237 058 A3	July 2, 1986	Germany (English Abstract)			×
	0 162 457 B1	July 26, 1989	Europe	C07C	17/34	
	0 372 183 B1	Jan. 1, 1997	Europe	C07C	11/107	
	0 667 845 B1	Jan. 14, 1998	Europe	C07C	17/154	
	0 720 975 A1	July 10, 1996	Europe	C07C	17/154	
Ch	1 594 693	July 17, 1970	France (English Abstract)			×
1			author, Title, Date, Pertinent Pages, Place of			FDAL 32:1 450
9	/1997) nn 133 -1	145	methane over BaCO ₃ /LaOCI catalysts", APP			
	I aOCI Membran	es". CATALYSIS TO	eactor for Oxidative Coupling of Methane. FDAY, Vol. 25 (1995) pp. 225-230			
	Chanaud, P. et al., "St pp. 4244-4251	udy of Lanthanum-b	ased Colloidal Sols Formation", JOURNAL (OF MATERIA	LS SCIENCE,	Vol. 29 (1994)
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*EXAMINER:	Initial if citation considered,	whether or not citation is	s in conformance with MPEP 609. Draw line through	n citation if not	in/conformance	
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INFORMATION DISCLOSURE	Ξ
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ATTY DOCKET NO. 61215A	SERIAL NO. 10/706,545
APPLICANT Robert J. Gulotty Jr. et al.	
FILING DATE	GROUP Unknown

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(Use	Several Sheets if necessary)	November 12, 2003	Unknown
-0	OTHER DISCLOSURES (Including Author)	or, Title, Date, Pertinent Pages, Place of Publication	1, Etc.)
52	Surface Analysis*, APPLIED CATALYS	ochlorination of Methane on Fumed Silica-Based Co SIS, Vol. 11 (1984) pp. 59-71	
	Stoichiometry*, APPLIED CATALYSIS,	lorination of Methane on Fumed Silica-Based Cu, K , Vol. 11 (1984) pp. 49-58	
	Fells, Ian, "The Kinetics of the Hydrolysis of	the Chlorinate Methanes", FUEL SOCIETY JOURN	AL, Vol. 10 (1959) pp. 26-35
	JOURNAL OF CATALYSIS, Vol. 99 (1)	re Phase by Interaction with the Support in CuCl ₂ O 986) pp. 12-18	
	Lance, E. T. et al., "Preparation, Phase Equi Hydroxide Chlorides", JOURNAL OF S	libria, and Crystal Chemistry of Lanthanum, Praseo OLID STATE CHEMISTRY, Vol. 17 (1976) pp. 55-6	50
	Catalysts", THE CHEMICAL SOCIETY	Ethane over Lanthanum-Substituted Layered Comp OF JAPAN, CHEMISTRY LETTERS (1997) pp. 90	11-902
	Vol. 49, No. 24A (1994) pp. 4627-4637	re on the Oxyhydrochlorination of Methane", CHEM	
	Vol. 121, No. 1 (1995) pp. L13-L17	Chloride Catalysts for Oxychlorination of Propene*,	
	SOCIETY, Washington, DC (1992) pp.	ane Oxyhydrochlorination Catalysts", PREPRINTS, 281-283	
	Olah, George A. et al., "Selective Monohalog	genation of Methane over Supported Acid or Platinu	m Metal Catalysts and
	Oxidative Conversion of Methane into	umina-Supported Metal Oxide/Hydroxide Catalysts. Methyl Alcohol/Dimethyl Ether*, AMERICAN CHEM	IICAL SOCIETY, Vol. 107,
	Patent Abstracts of Japan, Vol. 004, No. 190	0 (26 December 1980) (Corresponds to JP 55 1309	23)
	Pieters, W.J.M. et al., "The Oxyhydrochlorin: Synthesis", APPLIED CATALYSIS, Vo	ation of Methane on Furned Silica – Based Cu ⁺¹ , I ol. 11 (1984) pp. 35-48	K, La Catalysts: I. Catalyst
	Poznanski, J., "A Study of the Chlorination of pp. 99-104	of Lanthanum and Neodymium Oxides", MATERIAL	S SCIENCE, XVIII (1992)
	Weckhuysen, Bert M. et al., "Destructive Ab CHEM. PHYS., Vol. 1 (1999) pp. 3157	sorption of Carbon Tetrachloride on Lanthanum and –3162	Cerium Oxides", PHYS. CHEM.
	Weissermel, K. et al., INDUSTRIAL ORGAN	NIC CHEMISTRY, 2 nd Edition, VCH, Weinheim (199	3) pp. 168-175
	comprising chloride of samarium, chro	l chloride prepn. from propylene, hydrogen chloride mium, manganese or praseodymium ^a , Research D	isclosure RD-175041,
	"Process for Vinyl Chloride Manufacture fror HCI", filed in the United States Receive	m Ethane and Ethylene with Secondary Reactive Co ing Office on May 14, 2002, USSN 10/130,105, App	blicant: Mark E. Jones et al.
	"Production of Vinyl Halide from Single Cart 10/130,105, Applicant: Mark E. Jones	oon Feedstocks", filed in the United States Receivin et al. (Corresponds to WO 02/09749)	
	United States Receiving Office on Nov	m Ethane and Ethylene with Air Feed and Alternativ v. 11, 2003, USSN 10/477,502, Applicant: William D). Clarke et al. (Corresponds to
	Office on May 14, 2002, USSN 10/130	Using Rare Earth Halide or Oxyhalide Catalyst", filed 0,106, Applicant: Larry N. Ito et al. (Corresponds to	WO 01/382/5)
	Nov. 18, 2003, USSN 10/478,265, App	drogenation of C3+ Hydrocarbons*, filed in the Unite plicant: Albert E. Schweizer et al. (Corresponds to	WO 02/094750)
	the United States Receiving Office on WO 01/38273)	o Vinyl Chloride, and Novel Catalyst Compositions May 14, 2002, USSN 10/130,104, Applicant: Mark	E. Jones et al. (Corresponds to
VI	"Process for Vinyl Chloride Manufacture Fro the United States Receiving Office on WO 01/42176)	om Ethane and Ethylene with Partial HCI Recovery May 14, 2002, USSN 10/130,102, Applicant: John	P. Henley et al. (Corresponds to
901	*Process for Vinyl Chloride Manufacture Fro	om Ethane and Ethylene with Partial HCI Recovery May 14, 2002, USSN 10/130,103, Applicant: Danie	From Reactor Effluent", filed in at A. Hickman et al. (Corresponds
EXAMINER 5	7	DATE CONSIDERED	8/04
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EXAMINER INJUITABLE?	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
9	2,204,733	June 18, 1940	Miller	23	219	
	3,149,171	Sept. 15, 1964	Arganbright	260	655	
	3,488,398	Jan. 6, 1970	Harpring et al.	260	659	
	3,629,354	Dec. 21, 1971	Beard et al.	260	683.3	
	3,634,330	Jan. 11, 1972	Yerres et al.	252	441	
	3,644,561	Feb. 22, 1972	Beard et al.	260	683.3	
	3,657,367	April 18, 1972	Blake et al.	260	659 A	
1	3,658,933	April 25, 1972	Beard et al.	260	683.3	
	3,658,934	April 25, 1972	Beard et al.	260	683.3	
	3,702,311	Nov. 7, 1972	Beard et al.	252	441	
	3,769,362	Oct. 30, 1973	Beard et a.l	260	677 XA	
	3,927,131	Dec. 16, 1975	Ward	260	654D	
	3,968,178	July 6, 1976	Obrecht et al.	260	658	
	3,968,200	July 6, 1976	Tsao	423	488	
	4,025,461	May 24, 1997	Croce et al.	252	462	
	4,042,640	Aug. 16, 1977	Tsao	260	659	
	4,046,821	Sept. 6, 1977	Croce et al.	260	654A	
	4,046,823	Sept. 6, 1977	Gordon et al	260	662 R	
	4,100,211	Jul. 11, 1978	· Magistro	260	656 R	
	4,110,251	Aug. 29, 1978	Lauder et al.	252	442	
	4,230,668	Oct. 28, 1980	Sheely et al.	422	140	
20	4,300,005	Nov. 10, 1981	Li	570	224	
920	4,319,062	March 9, 1982	Boozalis et al.	570	220	

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APPLICANT	
Robert J. Gulotty Jr. et al.	

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Robert J. Gulotty Jr. et al.	
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INITIAL	5,013,534	May 7, 1991	Dissaux et al.	423	263	TIE ACT NOT N
TAY	5,023,070	Jun. 11, 1991	Le Loarer	423	592	-
	5,061,670	Oct. 29, 1991	Forquy et al.	585	500	
	5,072,063	Dec. 10, 1991	Langensee	570	236	
	5,087,791	Feb. 11, 1992	Magistro	585	657	
	5,097,083	Mar. 17, 1992	Stauffer	570	241	
	5,099,085	Mar. 24, 1992	Strasser et al.	570	245	
	5,113,027	May 12, 1992	Mainz et al.	570	224	
	5,114,702	May 19, 1992	Pederson et al.	423	639	
	5,137,862	Aug. 11, 1992	Mackrodt et al.	502	303	
	5,178,664	Jan. 12, 1993	Picard	75	300	
	5,179,215	Jan. 12, 1993	Ramachandran et al.	549	262	
	5,210,358	May 11, 1993	Magistro	585	500	
	5,227,549	Jul. 13, 1993	Correia et al.	570	243	
	5,232,889	Aug. 3, 1993	Blanchard et al.	502	263	
	5,262,547	Nov. 16, 1993	Ramachandran et al.	549	262	
	5,352,646	Oct. 4, 1994	Blanchard et al.	502	263	
	5,397,758	Mar. 14, 1995	Bouruetaubertot et al.	502	303	
	5,453,557	Sept. 26, 1996	Harley et al.	585	641	
	5,466,837	Nov. 14, 1995	Ramachandran et al.	549	533	
	5,492,878	Feb. 20, 1996	Fujil et al.	502	304	
1/1	5,496,528	Mar. 5, 1996	David et al.	423	263	
Suf	5,510,546	April 13, 1996	Ito	570	236	
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	5,580,536	Dec. 3, 1996	Yao et al.	423	263	
	5,599,588	Feb. 4, 1997	Poncelet	427	343	
	5,600,042	Feb. 4, 1997	Chen et al.	570	230	
1	5,607,890	Mar. 4, 1997	Chen et al.	205	202	
1 1	5,646,304	Jul. 8, 1997	Acharya et al.	549	259	
	5,663,112	Sept. 2, 1997	Ahn et al.	502	304	
	5,663,465	Sept. 2, 1997	Clegg et al	570	224	
	5,663,472	Sept. 2, 1997	Benson et al.	585	641	
	5,705,728	Jan. 6, 1998	Viswanathan et al.	585	641	
	5,728,905	Mar. 17, 1998	Clegg et al	570	224	
	5,762,894	Jun. 9, 1998	Takatori et al.	423	263	
	5,763,710	June 9, 1998	Clegg et al	570	224	
	5,773,383	June 30, 1998	Suciu	502	355	
	5,874,380	Feb. 23, 1999	Chen et al.	502	217	
_	5,877,371	Mar. 2, 1999	Chen et al.	585	467	
	5,880,058	Mar. 9, 1998	Moriya et al.	502	302	
	5,883,037	Mar. 16, 1999	Chopin et al.	502	308	
	5,898,014	April 27, 1999	Wu et al.	502	302	
	5,905,177	May 18, 1999	Seo et al.	570	243	
	5,919,727	Jul. 6, 1999	Brezny	502	304	
	5,922,639	Jul. 13, 1999	Alario et al.	502	230	
	5,925,590	Jul. 20, 1999	White et al.	502	302	
All	5,935,897	Aug. 10, 1999	Trubenbach et al.	502	527.14	
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1.V	5,935,898	Aug. 10, 1999	Trubenbach et al.	502	527.14	
	5,945,370	Aug. 31, 1999	Yokoi et al.	502	304	
	5,945,573	Aug. 31, 1999	Nappa et al	570	175	
	5,955,638	Sept. 21, 1999	Schoebrechts et al.	570	232	
1	5,969,195	Oct. 19, 1999	Stabel et al.	568	700	
1	5,972,827	Oct. 26, 1999	Petit et al.	502	225	
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	5,994,260	Nov. 30, 1999	Bonneau et al.	502	304	
	6,002,019	Dec. 14, 1999	Tamhankar et al.	549	285	
	6,090,743	Jul. 18, 2000	Chopin et al.	502	302	
	6,136,048	Oct. 24, 2000	Birchem et al.	44	354	
	6,165,931	Dec. 26, 2000	Rao	502	224	
	6,191,329	Feb. 20, 2001	Benje	570	243	
	6,194,345	Feb. 27, 2001	Mangnus et al.	502	224	
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1	01/38275	May 31, 2001	РСТ			
	01/42176	June 14, 2001	РСТ			
1/	02/094749	Nov. 28, 2002	PCT	1.1	<u></u>	
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Robert J. Gulotty Jr. et al.

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205/	NUMBER	DATE			CLASS	YES	NO
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	1 039 369	Aug. 17, 1966	Great Britain				
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	2 095 242	Sept. 29, 1982	Great Britain				
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